UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,744	05/04/2005 William Brown		100886-1P US	4550
	7590 12/04/200 CA PHARMACEUTIO	EXAMINER		
GLOBAL INTE 1800 CONCOR	ELLECTUAL PROPEI	BERNHARDT, EMILY B		
	N, DE 19850-5437	ART UNIT	PAPER NUMBER	
			1624	
		MAIL DATE	DELIVERY MODE	
			12/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applicat	ion No.	Applicant(s)			
Office Action Summary		10/533,7	744	BROWN ET AL.			
		Examine	er	Art Unit			
		Emily Be	rnhardt	1624			
The Period for Re	MAILING DATE of this commur	nication appears on th	ne cover sheet with the	correspondence ad	dress		
A SHORTE WHICHEV - Extensions of after SIX (6) - If NO period - Failure to re Any reply re	ENED STATUTORY PERIOD F ER IS LONGER, FROM THE N of time may be available under the provisions MONTHS from the mailing date of this come for reply is specified above, the maximum soly by within the set or extended period for reply belived by the Office later than three months in term adjustment. See 37 CFR 1.704(b).	MAILING DATE OF T s of 37 CFR 1.136(a). In no e munication. tatutory period will apply and will, by statute, cause the ap	THIS COMMUNICATION IN THE COMM	ON. imely filed m the mailing date of this o ED (35 U.S.C. § 133).			
Status							
2a)⊠ This 3)⊡ Sinc	consive to communication(s) file action is FINAL . The this application is in condition accordance with the pract	2b)⊡ This action is for allowance excep	non-final. ot for formal matters, p		e merits is		
Disposition o	f Claims						
4a) C 5) Clair 6) Clair 7) Clair 8) Clair 8) Clair Application P	specification is objected to by th	tre withdrawn from one content of the content of th	onsideration. requirement.	Examiner.			
 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 							
Priority under	35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notice of Do	eferences Cited (PTO-892) raftsperson's Patent Drawing Review (I Disclosure Statement(s) (PTO/SB/08) //Mail Date <u>9/27/07</u> .	PTO-948)	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:	Oate			

Art Unit: 1624

In view of applicants' response filed 9/27/07 the following still applies.

Claims 1, 8-9, 11 and 12 remain rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement for reasons set forth in the previous action. Applicant' amendments do not overcome this rejection and applicants do not otherwise address the deficiencies in the Wands factors set forth in the previous action. While not every compound need be tested to comply with enablement requirements, note the following passage in MPEP 2164.03: "The "predictability or lack thereof" in the art refers to the ability of one skilled in the art to extrapolate the disclosed or known results to the claimed invention. If one skilled in the art can readily anticipate the effect of a change within the subject matter to which the claimed invention pertains, then there is predictability in the art. On the other hand, if one skilled in the art cannot readily anticipate the effect of a change within the subject matter to which that claimed invention pertains, then there is lack of predictability in the art." Unpredictability entails structural sensitivity -a well known fact in drug design. Given the recognized factors that affect receptor binding,

Art Unit: 1624

namely size (surface area), polarity and electronic effects, the skilled artisan would **not** have sufficient information to predict what type of heterocyclo/heteroaryl derivatives from among the many covered by the instant scope would be suitable replacements for the small number of compounds made and tested.

Claims 1,8,9,11 and 12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

1. The newly added range for aryl has a lower limit set to 5 carbons in the ring. As far as the examiner is aware, while there are 5-membered carbocyclic rings that are unsaturated there are no 5-membered aromatic rings resulting in neutral compounds.

Claims 2-5 remain objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicants' IDS filed 9/27/07 has been considered to the extent necessary to determine patentability over any art cited. The many citations of office actions in copending cases is not seen to be

Art Unit: 1624

material to the present case. If applicants disagree, they should point to relevant sections.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emily Bernhardt whose telephone number is 571-272-0664.

If attempts to reach the examiner by telephone are unsuccessful, the acting supervisor for AU 1624, James O. Wilson can be reached at 571-272-0661. The fax phone number for the

Art Unit: 1624

organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Emily Bernhardt/ Primary Examiner, Art Unit 1624

.

Page 6

Art Unit: 1624